MDC Up-date

Charlotte, NC

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MDC Up-date

- Goal/approach
- Some milestones
- This Year's Projected Activities
- MDC 4.0

Goal

Develop and implement procedures designed to ensure emissions data accuracy and quality while reducing the financial and transaction costs of monitoring.

Approach

- Provide free software to allow sources to quality assure the EDR data before submission.
- Provide technical assistance and training in software use.
- Work with sources to address reporting problems as they arise.

Current versions software

- Released EDR 2.1 Instruction in January 24, 2001
- Released MDC v 3.3: January 24, 2001

Other Tools Provided

- Created e-mail boxes for sources to submit MP, QA data outside quarterly report for certification/recertification.
- Provided ETS-FTP software for source to submit quarterly report.
- Provided feedback on applications and reports.

Results of Recent MDC quarterly report feedback

- 2000:
  - 2nd quarter: 349 units have critical error(s)
  - 3nd quarter: 190 units have critical error(s)
  - 4th quarter: 87 units have critical error(s)
- 2001
  - 1st quarter: 59 units have critical error(s)

This Year's Projected Activities

- Release in November, 2001(use not required until 2002):
  - Update of EDR 2.1 instructions
  - RATA- Flow
  - MDC v 4.0
- Provide FTP in MDC v 4.0 for sources to submit MP, QA data outside quarterly cycle for certification/recertification
- Create an MDC/EDR user group

RATA- Flow

- RATA-Flow was developed for testing companies and sources to facilitate:
  - Entry of the raw data for new flow methods
  - Creation of RTs 610, 611, 614, 615 and 616

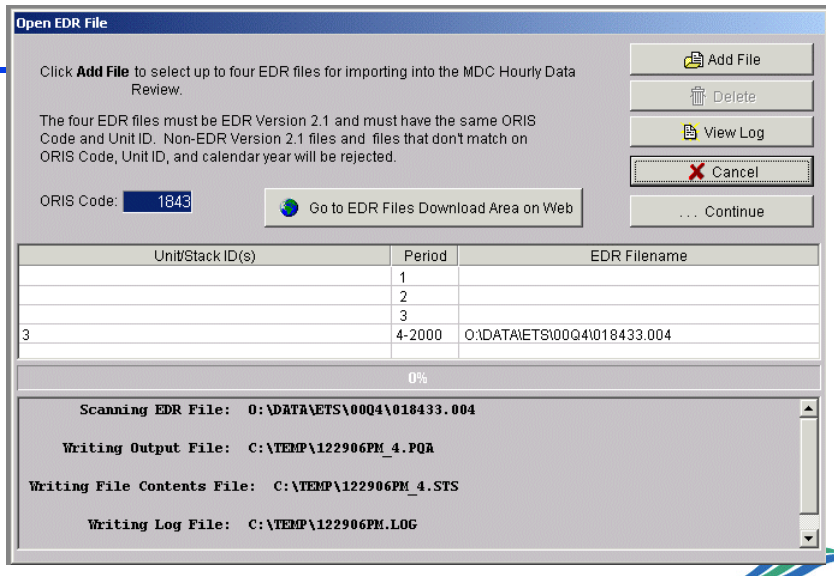
MDC v 4.0

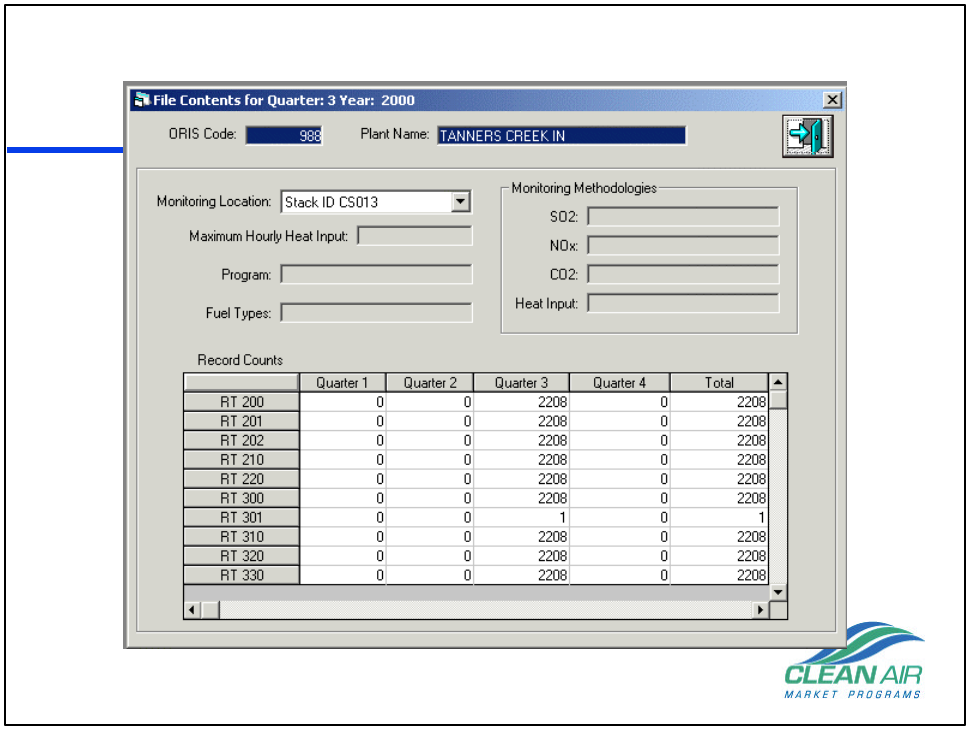
Source can quality assure all data - MP, QA and emission data with one tool

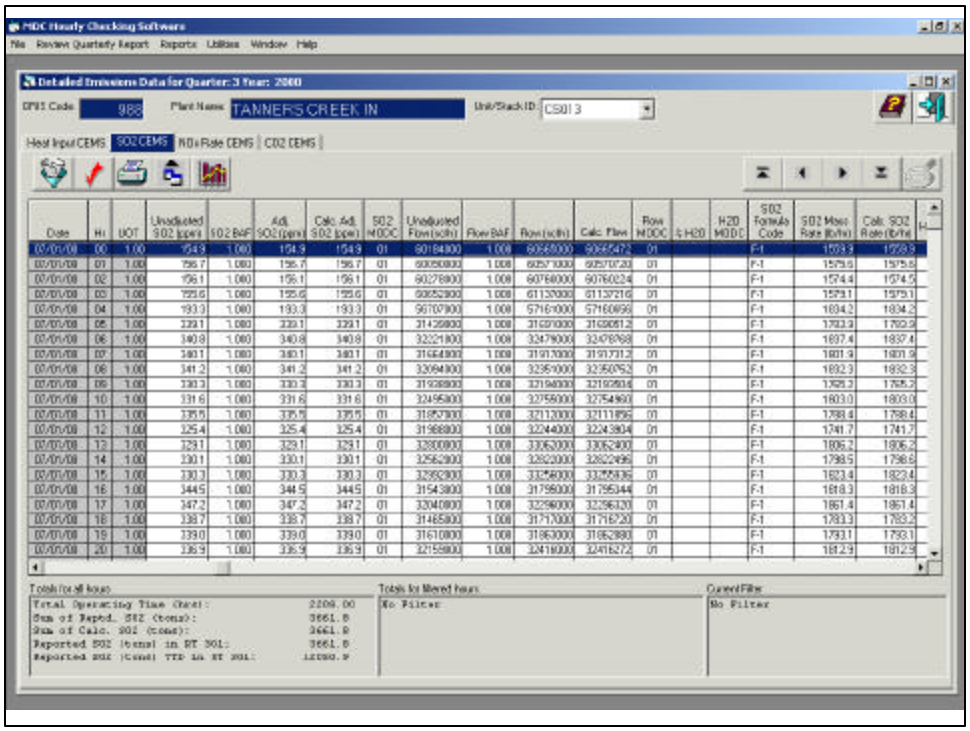
- Adds hourly data checking and graphing capacity
- Checks system control status (in/out-of control)
- Adds FTP capacity for cert/recert

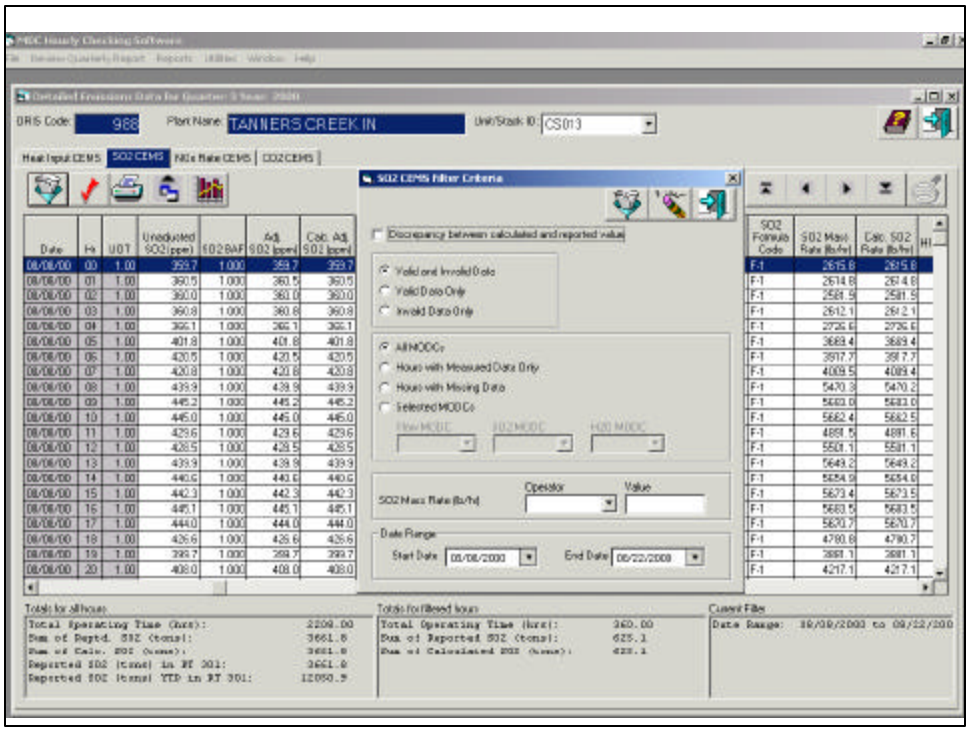
Hourly data checking and graphing capacity

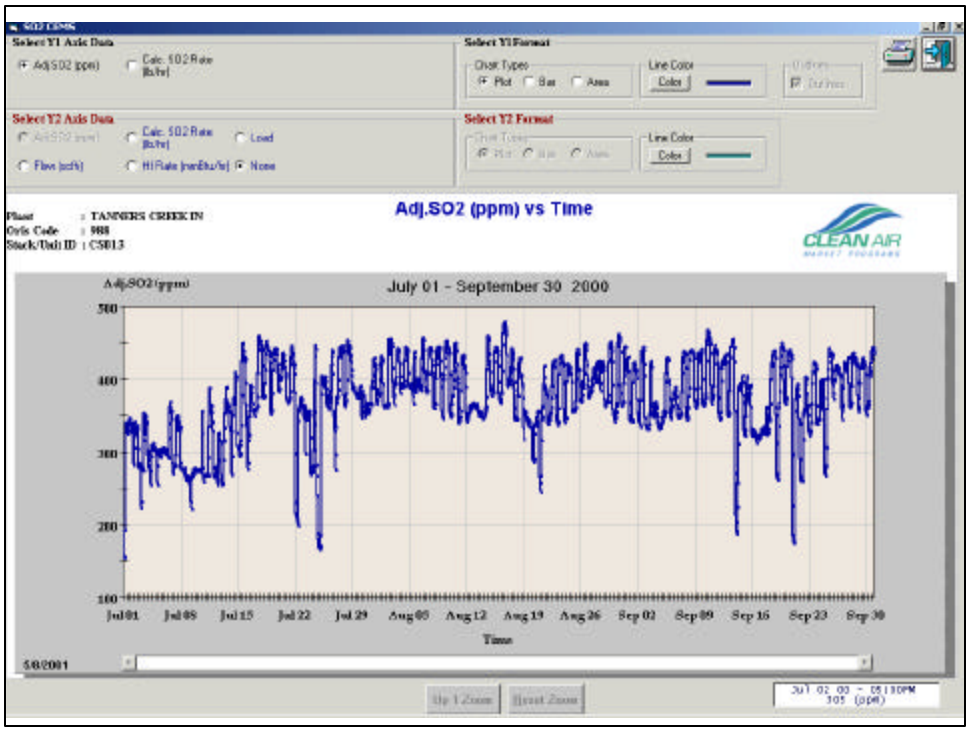
- Calculate data on a hourly, daily, monthly, and annual basis based on the monitoring data.
- Provide graphical plots of EDR data.
- Export in a format to allow additional data analysis outside the MDC.

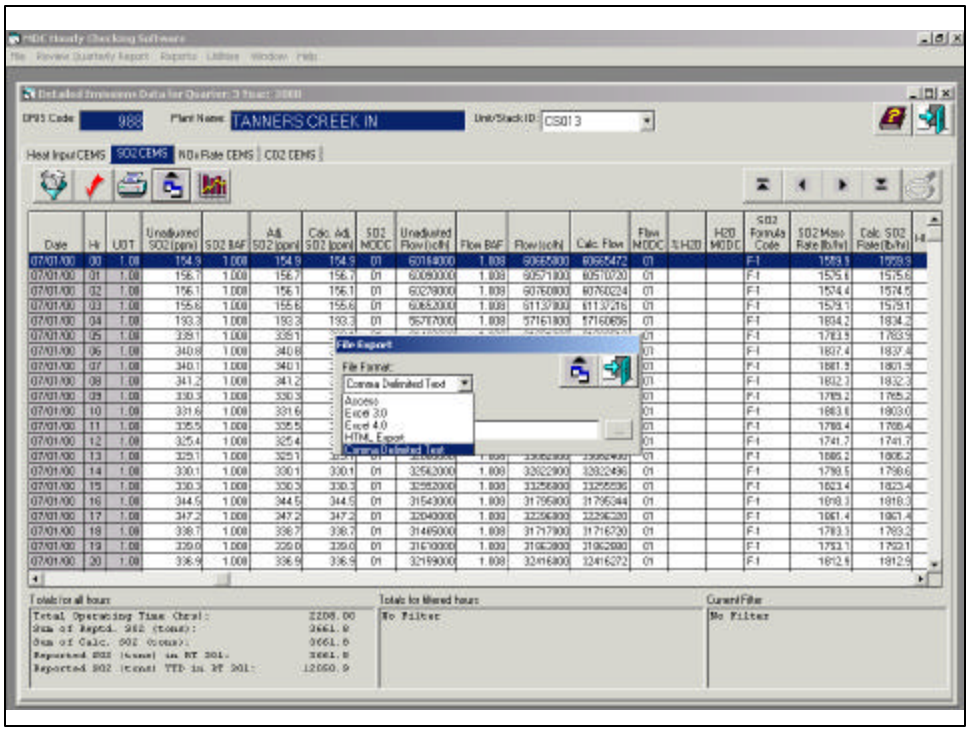


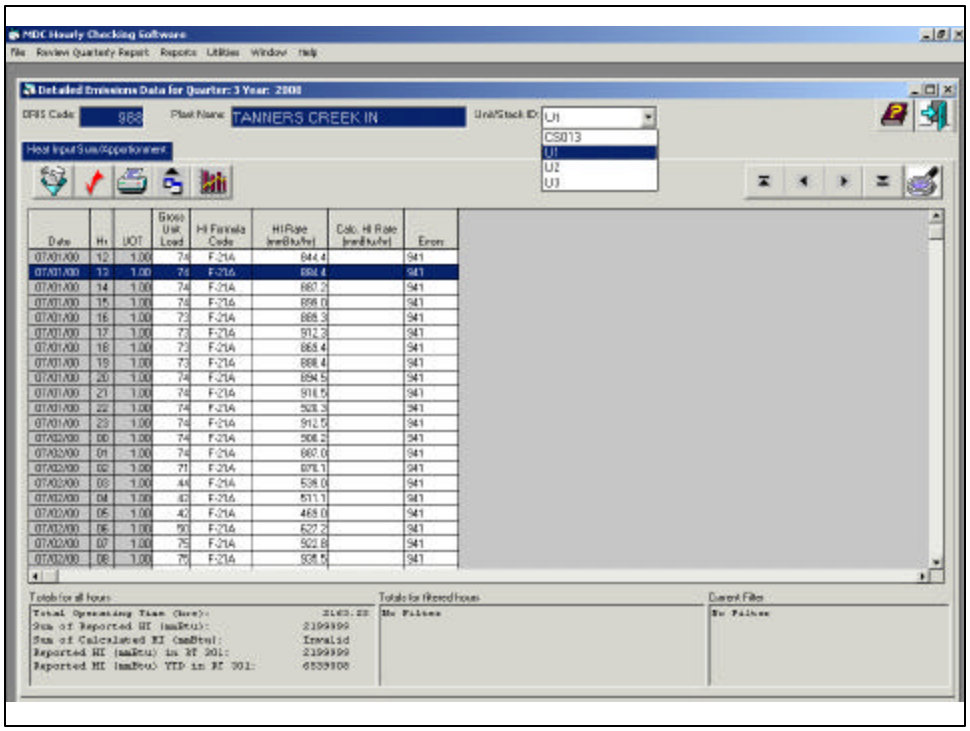

File Contents for Quarter: 3 Year: 2000
ORIS Code: 988
Plant Name: TANNERS CREEK IN
Monitoring Location: Stack ID CS013
Maximum Hourly Heat Input:
Program:
Fuel Types:
Monitoring Methodologies
SO2:
NOx:
CO2:
Heat Input:
Record Counts
Quarter 1 Quarter 2 Quarter 3 Quarter 4 Total
RT 200 0 0 2208 0 2208
RT 201 0 0 2208 0 2208
RT 202 0 0 2208 0 2208
RT 210 0 0 2208 0 2208
RT 220 0 0 2208 0 2208
RT 300 0 0 2208 0 2208
RT 301 0 0 1 0 1
RT 310 0 0 2208 0 2208
RT 320 0 0 2208 0 2208
RT 330 0 0 2208 0 2208
CLEAN AIR
MARKET PROGRAMS

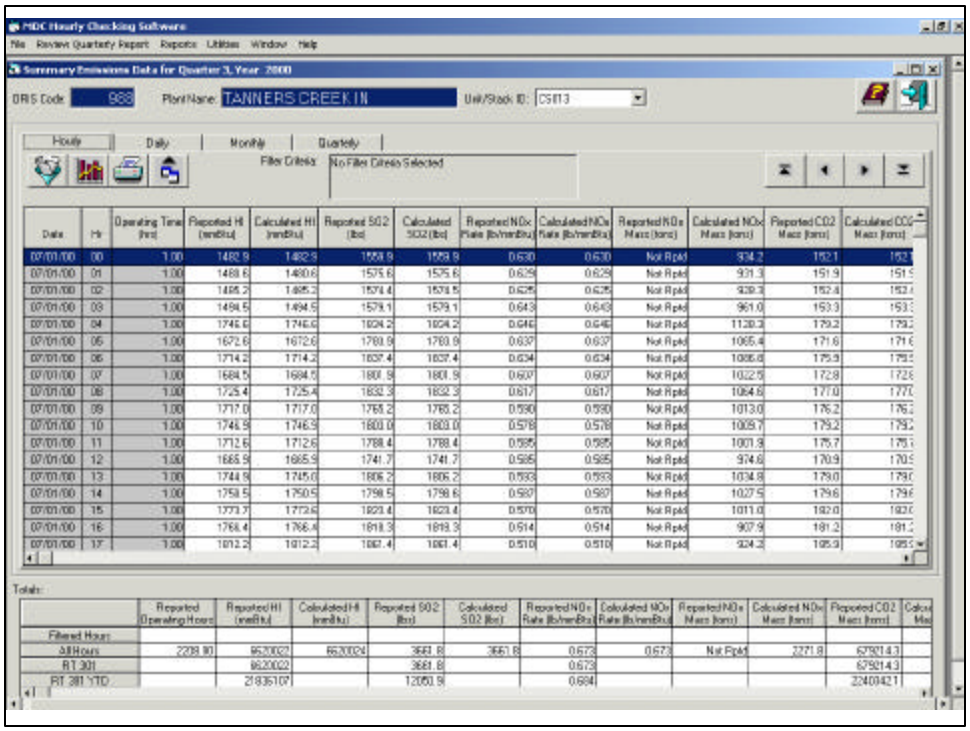

MDC Hourly Checking Software
File Review Quarterly Report Reports Utilities Window Help
Detailed Emissions Data for Quarter: 3 Year: 2000
ORIS Code 988
Plant Name TANNERS CREEK IN
Unit/Stack ID CS013
Heat Input CEMS
SO2 CEMS
NOx Rate CEMS
CO2 CEMS


ORIS Code: 988
Plant Name: TANNERS CREEK IN
Unit/Stack ID: CS013
SO2 CEMS Filter Criteria


Adj.SO2 (ppm) vs Time
Plant : TANNERS CREEK IN
Oris Code : 988
Stack/Unit ID : CS013
Adj.SO2 (ppm)
July 01 - September 30 2000
500
400
300
200
100
Jul 01
Jul 08
Jul 15
Jul 22
Jul 29
Aug 05
Aug 12
Aug 19
Aug 26
Sep 02
Sep 09
Sep 16
Sep 23
Sep 30
Time


MDC Hourly Checking Software
Detailed Emissions Data for Quarter: 3 Year: 2000
ORIS Code: 988
Plant Name: TANNERS CREEK IN
Unit/Stack ID: CS013
Heat Input CEMS | SO2 CEMS | NOx Rate CEMS | CO2 CEMS
File Export
File Format:
Comma Delimited Text
Access
Excel 3.0
Excel 4.0
HTML Export
Comma Delimited Text
Totals for all hours
Total Operating Time (hrs): 2208.00
Sum of Reptd. SO2 (tons): 2661.9
Sum of Calc. SO2 (tons): 2661.6
Reported SO2 (tons) in QT 201: 2661.9
Reported SO2 (tons) YTD in QT 201: 12050.9
Totals for filtered hours
No Filter
Current Filter
No Filter


MDC Hourly Checking Software
File Review Quarterly Report Reports Utilities Window Help
Detailed Emissions Data for Quarter: 3 Year: 2000
ORIS Code: 988
Plant Name: TANNERS CREEK IN
Unit/Stack ID: U1
CS013
U1
U2
U3
Heat Input Sum/Apportionment
Totals for all hours
Total Operating Time (hrs): 2163.22
Sum of Reported HI (mmBtu): 2199999
Sum of Calculated HI (mmBtu): Invalid
Reported HI (mmBtu) in QT 201: 2199999
Reported HI (mmBtu) YTD in QT 201: 6539999
Totals for filtered hours
No Filter
Current Filter
No Filter



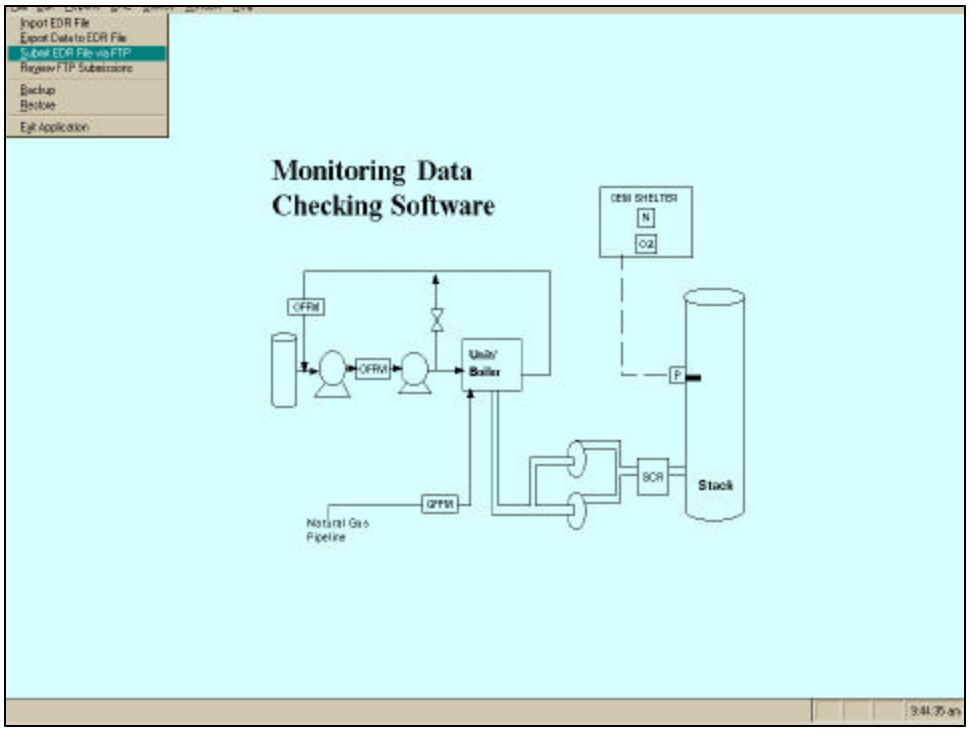
System control status (in/out-of control)

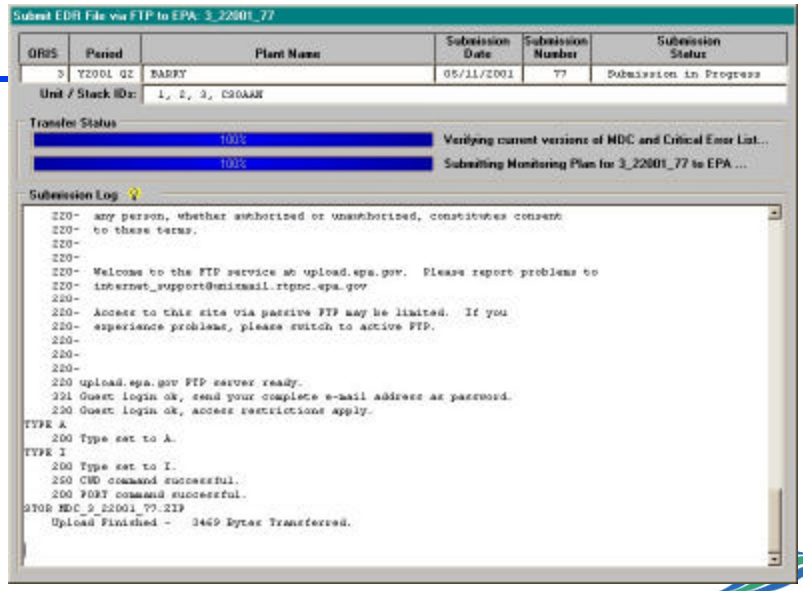
- Will allow evaluation of hourly QA status according to Part 75 requirements.
- Evaluation will be based on:
  - MDC recalculated results
  - RT 556, RTs 690's and the reasons for test in RTs 600's.

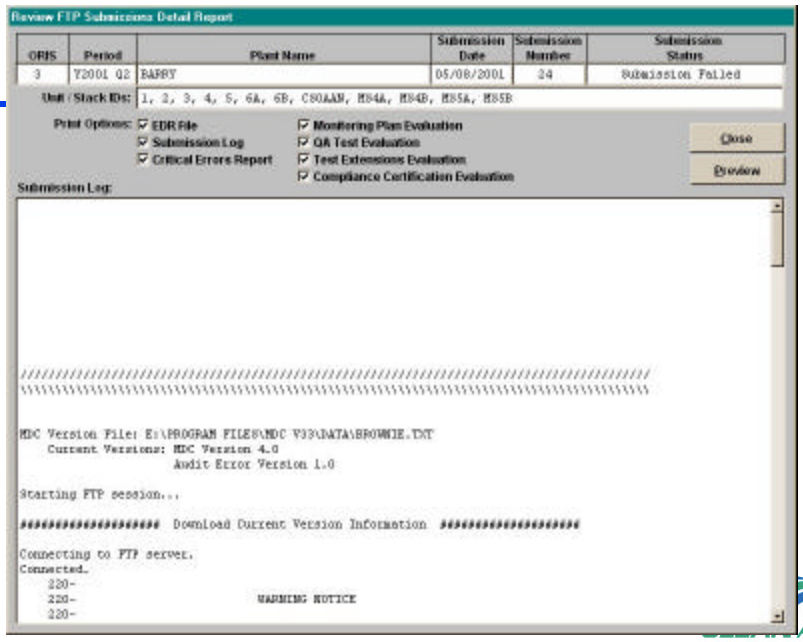
CLEAN AIR MARKET PROGRAMS

FTP capacity

- Source can submit certification and recertification application using FTP.
- Source will receive acknowledge receipt on the certification and recertification application.
- Still won't eliminate 10 day lag in MDC quarterly report feedback.




Submit EDR File via FTP to EPA: 3_22001_77
ORIS
Period
Plant Name
Submission Date
Submission Number
Submission Status
3
Y2001 Q2
BARRY
05/11/2001
77
Submission in Progress
Unit / Stack IDs:
1, 2, 3, CSOAAN
Transfer Status
100%
Verifying current versions of MDC and Critical Error List...
100%
Submitting Monitoring Plan for 3_22001_77 to EPA ...
Submission Log
220- any person, whether authorized or unauthorized, constitutes consent
220- to these terms.
220-
220-
220- Welcome to the FTP service at upload.epa.gov. Please report problems to
220- internet_support@unixmail.rtpnc.epa.gov
220-
220- Access to this site via passive FTP may be limited. If you
220- experience problems, please switch to active FTP.
220-
220-
220-
220 upload.epa.gov FTP server ready.
331 Guest login ok, send your complete e-mail address as password.
230 Guest login ok, access restrictions apply.
TYPE A
200 Type set to A.
TYPE I
200 Type set to I.
250 CWD command successful.
200 PORT command successful.
STOR MDC_3_22001_77.ZIP
Upload Finished - 3469 Bytes Transferred.


Review FTP Submissions Detail Report
ORIS
Period
Plant Name
Submission Date
Submission Number
Submission Status
3
Y2001 Q2
BARRY
05/08/2001
24
Submission Failed
Unit / Stack IDs:
1, 2, 3, 4, 5, 6A, 6B, CSOAAN, MS4A, MS4B, MS5A, MS5B
Print Options:
EDR File
Submission Log
Critical Errors Report
Monitoring Plan Evaluation
QA Test Evaluation
Test Extensions Evaluation
Compliance Certification Evaluation
Close
Preview
Submission Log:
MDC Version File: E:\PROGRAM FILES\MDC V33\DATA\BROWSE.TXT
Current Versions: MDC Version 4.0
Audit Error Version 1.0
Starting FTP session...
Download Current Version Information
Connecting to FTP server.
Connected.
220-
220- WARNING NOTICE
220-

MDC/ EDR User Group

Purpose:

- ID of problem areas needing EMB attention
- Get “real world” feedback on needed and proposed changes prior to incorporation.
- ID opportunities for streamlining reporting requirements.